

Vienna Instruments

Solo Strings

Single Instrument Downloads

Violin solo 2
Cello solo 2

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Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Single Instrument Downloads! This document contains the mapping information for members of the strings family. For each instrument of this group, you will find in it a mapping list which gives details for every Patch, Matrix, and Preset.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements for the Vienna Instruments Player's default preload size, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Wherever possible, instruments are built up similarly in order to facilitate exchanging them with each other to check out different sounds and combinations. Articulations, too, are largely the same within every instrument group. Here's a brief summary of the solo strings' articulations:

Short notes: staccato, short détaché, long détaché with and without vibrato, pizzicato

Long notes: sustained with normal, progressive, and without vibrato; tremolo

Dynamics: crescendo and diminuendo 2/3/4 sec., crescendo-diminuendo 2/4/6 sec., fortepiano, sforzato, sforzatissimo; with and without vibrato

Interval performances: legato and portamento with normal, progressive, and without vibrato; trills

Repetition performances: legato with and without vibrato, portato, staccato; normal and crescendo

Fast repetitions: 16ths at speeds from 140 to 180, and 200 BPM

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to an instrument's requirements. The Patch information also lists the velocity layers in detail.

AB switches

With Violin solo 2 and Cello solo 2, we have implemented a new type of AB switch that allows you to switch between a "normal" playing style (A switch) and the "open string" style (B switch), where the strings' respective base notes are played on that string instead of the lower string's fifth.

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations such as the strings' portamento, marcato, détaché and spiccato articulations.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But of course, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are basically monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note – to a certain extent, the *Vienna Instruments* player software is able to do this. To circumvent its necessary limitations regarding voice assignment, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

Matrix and Preset information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and Patch switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 101–112; VI Pro: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. VI Pro also allows you to define a MIDI Control for Preset keyswitching.

Vienna Instruments (VI) and Vienna Instruments PRO (VI Pro) Matrices and Presets

Vienna Instruments Libraries contain Matrices and Presets for the free *Vienna Instruments* Player software and for *Vienna Instruments PRO*, which features powerful functions for enhancing the “human” sound of your compositions, distributing voices, etc. While Matrices and Presets of the same name contain the same Patches and samples, the PRO versions make use of these functions to create a more lively and natural-sounding impression. Also, there are additional PRO Matrices which make use of the internal sequencer to create runs and arpeggios.

Please note that *Vienna Instruments PRO* Matrices and Presets do not appear in the “standard” *Vienna Instruments* file browser.

When using the *Vienna Instruments PRO* player, we strongly recommend loading the VI Pro Matrices and Presets, since only they make full use of the software's features.

For more information on *Vienna Instruments PRO* Matrices and Presets, please refer to the Appendix. A separate manual can also be downloaded from your personal user area at [MyVSL](#).

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

01 Violin solo 2

Patches

01 SHORT + LONG NOTES

Range: G3–G7



Articulations:

Staccato
Short détaché
Long détaché with and without vibrato
Sustained with normal, progressive, and without vibrato
Tremolo sustained
Pizzicato

01 VI2_staccato

Samples: 512 RAM: 32 MB

Staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
AB switch: B=open string

02 VI2_detache_short

Samples: 512 RAM: 32 MB

Short détaché
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
AB switch: B=open string

03 VI2_detache_long_mv

Samples: 640 RAM: 40 MB

Long détaché, with vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples
AB switch: B=open string

04 VI2_detache_long_oV

Samples: 640 RAM: 40 MB

Long détaché, without vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples
AB switch: B=open string

11 VI2_sus_Vib

Samples: 512 RAM: 32 MB

Sustained, with vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples
AB switch: B=open string

12 VI2_sus_Vib-progr

Samples: 512 RAM: 32 MB

Sustained, with progressive vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples
AB switch: B=open string

13 VI2_sus_noVib Samples: 512 RAM: 32 MB

Sustained, without vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

AB switch: B=open string

21 VI2_trem_sus Samples: 224 RAM: 14 MB

Tremolo, sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

AB switch: B=open string

31 VI2_pizz Samples: 384 RAM: 24 MB

Pizzicato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

AB switch: B=open string

02 DYNAMICS**1 Vibrato** Range: G3–G7**Articulations:**

Medium crescendo and diminuendo, 2, 3, 4 sec.

Strong crescendo and diminuendo, 2, 3, 4 sec.

Crescendo-diminuendo, 2, 4, 6 sec.

Fortepiano, sforzato, sforzatissimo

All patches with vibrato

01 VI2_cre-me_Vib_2s (3s/4s) Samples: 64 RAM: 4 MB

Medium crescendo, with vibrato, 2/3/4 sec.

2 velocity layers: 0–88 p-mf; 89–127 mf-f

AB switch: B=open string

04 VI2_dim-me_Vib_2s (3s/4s) Samples: 64 RAM: 4 MB

Medium diminuendo, with vibrato, 2/3/4 sec.

2 velocity layers: 0–88 mf-p; 89–127 f-mf

AB switch: B=open string

11 VI2_cre-str_Vib_2s (3s/4s) Samples: 32 RAM: 2 MB

Strong crescendo, with vibrato, 2/3/4 sec.

1 velocity layer

AB switch: B=open string

14 VI2_dim-str_Vib_2s (3s/4s) Samples: 32 RAM: 2 MB

Strong diminuendo, with vibrato, 2/3/4 sec.

1 velocity layer

AB switch: B=open string

21 VI2_pfp_Vib_2s (4s/6s)	Samples: 64	RAM: 4 MB
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Crescendo-diminuendo, with vibrato, 2/4/6 sec.
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: B=open string

31 VI2_fp_Vib	Samples: 160	RAM: 10 MB
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Fortepiano, with vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

32 VI2_sfz_Vib	Samples: 160	RAM: 10 MB
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Sforzato, with vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

33 VI2_sffz_Vib	Samples: 128	RAM: 8 MB
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Sforzatissimo, with vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

2 No Vibrato	Range: G3–G7
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Articulations:

Medium crescendo and diminuendo, 2, 3, 4 sec.
 Strong crescendo and diminuendo, 2, 3, 4 sec.
 Crescendo-diminuendo, 2, 4, 6 sec.
 Fortepiano, sforzato, sforzatissimo
 All patches without vibrato

41 VI2_cre-me_noVib_2s (3s/4s)	Samples: 64	RAM: 4 MB
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Medium crescendo, without vibrato, 2/3/4 sec.
 2 velocity layers: 0–88 p–mf; 89–127 mf–f
 AB switch: B=open string

44 VI2_dim-me_noVib_2s (3s/4s)	Samples: 64	RAM: 4 MB
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Medium diminuendo, without vibrato, 2/3/4 sec.
 2 velocity layers: 0–88 mf–p; 89–127 f–mf
 AB switch: B=open string

51 VI2_cre-str_noVib_2s (3s/4s)	Samples: 32	RAM: 2 MB
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Strong crescendo, without vibrato, 2/3/4 sec.
 1 velocity layer
 AB switch: B=open string

54 VI2_dim-str_noVib_2s (3s/4s)	Samples: 32	RAM: 2 MB
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Strong diminuendo, without vibrato, 2/3/4 sec.
 1 velocity layer
 AB switch: B=open string

61 VI2_pfp_noVib_2s (4s/6s)	Samples: 64	RAM: 4 MB
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Crescendo-diminuendo, without vibrato, 2/4/6 sec.
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: B=open string

71 VI2_fp_noVib	Samples: 160	RAM: 10 MB
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Fortepiano, without vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

72 VI2_sfz_noVib	Samples: 160	RAM: 10 MB
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Sforzato, without vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

73 VI2_sffz_noVib	Samples: 128	RAM: 8 MB
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Sforzatissimo, without vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

10 PERF INTERVAL

Range: G3–D7



Articulations:

Legato with normal, progressive, and without vibrato
 Portamento with normal, progressive, and without vibrato

01 VI2_perf-legato_Vib	Samples: 1676	RAM: 104 MB
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Legato, with vibrato
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

02 VI2_perf-legato_Vib-prog	Samples: 1676	RAM: 104 MB
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Legato, with progressive vibrato
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

03 VI2_perf-legato_noVib	Samples: 1676	RAM: 104 MB
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Legato, without vibrato
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

11 VI2_perf-porta_Vib**Samples: 1676 RAM: 104 MB**

Portamento, with vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 VI2_perf-porta_Vib-progr**Samples: 1676 RAM: 104 MB**

Portamento, with progressive vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

13 VI2_perf-porta_noVib**Samples: 1676 RAM: 104 MB**

Portamento, without vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 PERF TRILL**Range: G3–D7****01 VI2_perf-trill_leg****Samples: 3656 RAM: 228 MB**

Performance trills, minor 2nd to major 3rd

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 PERF REPETITION**Range: G3–G7****Articulations:**

Repetition performances

Legato with and without vibrato

Portato

Staccato

Normal and crescendo

01 VI2_perf-rep_legato_Vib**Samples: 384 RAM: 24 MB**

Legato, with vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

02 VI2_perf-rep_legato_noVib**Samples: 384 RAM: 24 MB**

Legato, without vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

03 VI2_perf-rep_portato	Samples: 576	RAM: 36 MB
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Portato

2 velocity layers: 0–88 p; 89–127 f

AB switch: B=open string

04 VI2_perf-rep_stac	Samples: 576	RAM: 36 MB
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Staccato

2 velocity layers: 0–88 p; 89–127 f

AB switch: B=open string

11 VI2_perf-rep_legato_Vib_cre	Samples: 160	RAM: 10 MB
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Legato crescendo, with vibrato

5 repetitions

1 velocity layer

AB switch: B=open string

12 VI2_perf-rep_legato_noVib_cre	Samples: 160	RAM: 10 MB
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Legato crescendo, without vibrato

5 repetitions

1 velocity layer

AB switch: B=open string

13 VI2_perf-rep_portato_cre	Samples: 288	RAM: 18 MB
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Portato crescendo

9 repetitions

1 velocity layer

AB switch: B=open string

14 VI2_perf-rep_stac_cre	Samples: 288	RAM: 18 MB
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Staccato crescendo

9 repetitions

1 velocity layer

AB switch: B=open string

13 FAST REPETITION	Range: G3–D7
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01 VI2_fast-rep_140 (150/160/170/180/200)	Samples: 128	RAM: 8 MB
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Fast repetitions, 16ths at 140 to 180, and 200 BPM

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - VI

01 VI2_Art-Combi small

Samples: 9928 RAM: 620 MB

Staccato, détaché short, détaché long with vibrato
 Sustained with normal, progressive, and without vibrato
 Fortepiano, sforzato, and sforzatissimo with vibrato
 Interval performances legato with and without vibrato, portamento with vibrato
 Performance trills
 Repetition performances legato with vibrato, portato, staccato
 Tremolo
 Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained vib.	fp vib.	legato vib.	perf. trills	reps. leg vib.	tremolo	pizzicato
V2	détaché short	sus prog.vib.	sfz vib.	legato no vib.	perf. trills	reps. portato	tremolo	pizzicato
V3	détaché long	sus no vib.	sffz vib.	portamento vib.	perf. trills	reps. staccato	tremolo	pizzicato

02 VI2_Art-Combi large

Samples: 11704 RAM: 731 MB

Staccato, détaché short, détaché long with and without vibrato
 Sustained with normal, progressive, and without vibrato, tremolo
 Fortepiano, sforzato, and sforzatissimo with vibrato
 Interval performances legato with normal, progressive, and without vibrato, performance trills
 Portamento with normal, progressive, and without vibrato
 Repetition performances legato with and without vibrato, portato, staccato
 Medium and strong crescendo and diminuendo 2/3/4 sec.
 Crescendo-diminuendo 2/4/6 sec.
 Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1	staccato	sustained vib.	fp vib.	legato vib.	portamento vib.	reps. leg vib.	med. cres vib. 2s	med. dim vib. 2s	str. cres vib. 2s	str. dim vib. 2s	pfp vib. 2s	pizzicato
V2	détaché short	sus prog.vib.	sfz vib.	legato prog.vib.	porta. prog.vib.	reps. leg no vib.	med. cres vib. 3s	med. dim vib. 3s	str. cres vib. 3s	str. dim vib. 3s	pfp vib. 4s	pizzicato
V3	détaché long vib.	sus no vib.	sfz vib.	legato no vib.	porta. no vib.	reps. portato	med. cres vib. 3s	med. dim vib. 3s	str. cres vib. 3s	str. dim vib. 3s	pfp vib. 4s	pizzicato
V4	dét. long no vib.	tremolo	sffz vib.	perf. trills	perf. trills	reps. staccato	med. cres vib. 4s	med. dim vib. 4s	str. cres vib. 4s	str. dim vib. 4s	pfp vib. 6s	pizzicato

03 VI2_Art-Combi Marc-Xfade**Samples: 11704 RAM: 731 MB**

Staccato, détaché short, détaché long with and without vibrato

Staccato attack: sustained with normal, progressive, and without vibrato, tremolo

Fortepiano, sforzato, and sforzatissimo with vibrato

Interval performances legato with normal, progressive, and without vibrato, performance trills

Portamento with normal, progressive, and without vibrato

Repetition performances legato with and without vibrato, portato, staccato

Short détaché (cres)/staccato (dim) attack: medium and strong crescendo and diminuendo with vibrato, 2/3/4 sec.

Short détaché attack: crescendo-diminuendo with vibrato, 2/4/6 sec.

Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–B1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1	staccato	sus vib./stac	fp vib.	legato vib.	portamento vib.	reps. leg vib.	med. cres vib. 2s/dét	med. dim vib. 2s/stac	str. cres vib. 2s/dét	str. dim vib. 2s/stac	pfp vib. 2s/dét	pizzicato
V2	détaché short	sus pr.vib./stac	sfz vib.	legato prog.vib.	porta. prog.vib.	reps. leg no vib.	med. cres vib. 3s/dét	med. dim vib. 3s/stac	str. cres vib. 3s/dét	str. dim vib. 3s/stac	pfp vib. 4s/dét	pizzicato
V3	détaché long vib.	sus no vib./stac	sfz vib.	legato no vib.	porta. no vib.	reps. portato	med. cres vib. 3s/dét	med. dim vib. 3s/stac	str. cres vib. 3s/dét	str. dim vib. 3s/stac	pfp vib. 4s/dét	pizzicato
V4	dét. long no vib.	tremolo/stac	sffz vib.	perf. trills	perf. trills	reps. staccato	med. cres vib. 4s/dét	med. dim vib. 4s/stac	str. cres vib. 4s/dét	str. dim vib. 4s/stac	pfp vib. 6s/dét	pizzicato

04 VI2_Art-Combi Vib-Xfade**Samples: 12728 RAM: 795 MB**

A matrix with vibrato/no vibrato crossfades (where applicable):

Staccato, détaché short, détaché long

Sustained with normal/progressive vibrato, tremolo

Fortepiano, sforzato, sforzatissimo

Interval performances legato normal/progressive/no vibrato, performance trills

Portamento with normal/progressive/no vibrato

Repetition performances legato with and without vibrato, portato, staccato

Medium and strong crescendo and diminuendo 2/3/4 sec.

Crescendo-diminuendo 2/4/6 sec.

Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–B1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1	staccato	sustained vib./Xf	fp vib./Xf	legato vib./Xf	portamento vib./Xf	reps. leg vib./Xf	med. cres vib. 2s/Xf	med. dim vib. 2s/Xf	str. cres vib. 2s/Xf	str. dim vib. 2s/Xf	pfp vib. 2s/Xf	pizzicato
V2	détaché short	sus prog.vib./Xf	sfz vib./Xf	legato prog.vib.	porta. prog.vib.	reps. leg no vib.	med. cres vib. 3s/Xf	med. dim vib. 3s/Xf	str. cres vib. 3s/Xf	str. dim vib. 3s/Xf	pfp vib. 4s/Xf	pizzicato
V3	dét. long vib./Xf	sus prog.vib./Xf	sfz vib./Xf	legato no vib.	porta. no vib.	reps. portato	med. cres vib. 3s/Xf	med. dim vib. 3s/Xf	str. cres vib. 3s/Xf	str. dim vib. 3s/Xf	pfp vib. 4s/Xf	pizzicato
V4	dét. long no vib.	tremolo	sffz vib./Xf	perf. trills	perf. trills	reps. staccato	med. cres vib. 4s/Xf	med. dim vib. 4s/Xf	str. cres vib. 4s/Xf	str. dim vib. 4s/Xf	pfp vib. 6s/Xf	pizzicato

Matrix - VI Pro

Here's a list of the instrument's VI Pro Matrices. The first four contain the same Patches as their Standard VI namesakes but make use of VI Pro's advanced features. The others are special VI Pro Matrices using the software's internal sequencer. You can find a general description of these in the appendix.

01P VI2_Art-Combi small	Samples: 9928	RAM: 620 MB
02P VI2_Art-Combi large	Samples: 11704	RAM: 731 MB
03P VI2_Art-Combi Marc-Xfade	Samples: 11704	RAM: 731 MB
04P VI2_Art-Combi Vib-Xfade	Samples: 12728	RAM: 795 MB
11P VI2 repetitions	Samples: 6000	RAM: 375 MB
21P VI2 runs+phr key	Samples: 7980	RAM: 498 MB
22P VI2 runs+phr whl	Samples: 7980	RAM: 498 MB
23P VI2 runs+phr chr	Samples: 7980	RAM: 498 MB
31P VI2 perf-trills	Samples: 7980	RAM: 498 MB
32P VI2 arpeggios	Samples: 6000	RAM: 375 MB

Presets

Preset - VI

01 VI2 Preset small Samples: 9928 RAM: 620 MB

Matrix: 01 VI2_Art-Combi small

02 VI2 Preset large Samples: 12728 RAM: 795 MB

Matrices:

02 VI2_Art-Combi large
03 VI2_Art-Combi Marc-Xfade
04 VI2_Art-Combi Vib-Xfade
Matrix keyswitches: C2-D2

Preset - VI Pro

01P VI2 Preset small Samples: 9928 RAM: 620 MB

Matrix: 01P VI2_Art-Combi small

02P VI2 Preset large Samples: 12728 RAM: 795 MB

Matrices:

02P VI2_Art-Combi large
03P VI2_Art-Combi Marc-Xfade
04P VI2_Art-Combi Vib-Xfade
Matrix keyswitches: C2-D2

03P VI2 Preset large+Seq Samples: 12728 RAM: 795 MB

A combination of all VI Pro Matrices (except "small")

Matrix keyswitches: C2-G#2

03 Cello solo 2

Patches

01 SHORT + LONG NOTES

Range: C2–D6



Articulations:

Staccato
 Short détaché
 Long détaché with and without vibrato
 Sustained with normal, progressive, and without vibrato
 Tremolo sustained
 Pizzicato

01 VC2_staccato

Samples: 660 RAM: 41 MB

Staccato
 5 velocity layers: 0–28 pp; 29–55 p; 56–88 mp; 89–108 mf; 109–127 f
 AB switch: B=open string

02 VC2_detache_short

Samples: 660 RAM: 41 MB

Short détaché
 5 velocity layers: 0–28 pp; 29–55 p; 56–88 mp; 89–108 mf; 109–127 f
 AB switch: B=open string

03 VC2_detache_long_mv

Samples: 660 RAM: 41 MB

Long détaché, with vibrato
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 AB switch: B=open string

04 VC2_detache_long_oV

Samples: 660 RAM: 41 MB

Long détaché, without vibrato
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 AB switch: B=open string

11 VC2_sus_Vib

Samples: 600 RAM: 37 MB

Sustained, with vibrato
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 AB switch: B=open string

12 VC2_sus_Vib-progr

Samples: 600 RAM: 37 MB

Sustained, with progressive vibrato
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 AB switch: B=open string

13 VC2_sus_noVib	Samples: 600	RAM: 37 MB
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Sustained, without vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

AB switch: B=open string

21 VC2_trem_sus	Samples: 231	RAM: 14 MB
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Tremolo, sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

AB switch: B=open string

31 VC2_pizz	Samples: 396	RAM: 24 MB
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Pizzicato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

AB switch: B=open string

02 DYNAMICS



1 Vibrato	Range: C2–D6
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Articulations:

Medium crescendo and diminuendo, 2, 3, 4 sec.

Strong crescendo and diminuendo, 2, 3, 4 sec.

Crescendo-diminuendo, 2, 4, 6 sec.

Fortepiano, sforzato, sforzatissimo

All patches with vibrato

01 VC2_cre-me_Vib_2s (3s/4s)	Samples: 66	RAM: 4 MB
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Medium crescendo, with vibrato, 2/3/4 sec.

2 velocity layers: 0–88 p-mf; 89–127 mf-f

AB switch: B=open string

04 VC2_dim-me_Vib_2s (3s/4s)	Samples: 66	RAM: 4 MB
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Medium diminuendo, with vibrato, 2/3/4 sec.

2 velocity layers: 0–88 mf-p; 89–127 f-mf

AB switch: B=open string

11 VC2_cre-str_Vib_2s (3s/4s)	Samples: 33	RAM: 2 MB
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Strong crescendo, with vibrato, 2/3/4 sec.

1 velocity layer

AB switch: B=open string

14 VC2_dim-str_Vib_2s (3s/4s)	Samples: 33	RAM: 2 MB
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Strong diminuendo, with vibrato, 2/3/4 sec.

1 velocity layer

AB switch: B=open string

21 VC2_pfp_Vib_2s (4s/6s)	Samples: 66	RAM: 4 MB
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Crescendo-diminuendo, with vibrato, 2/4/6 sec.
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: B=open string

31 VC2_fp_Vib	Samples: 165	RAM: 10 MB
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Fortepiano, with vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

32 VC2_sfz_Vib	Samples: 165	RAM: 10 MB
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Sforzato, with vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

33 VC2_sffz_Vib	Samples: 132	RAM: 8 MB
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Sforzatissimo, with vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

2 No Vibrato	Range: C2–D6
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Articulations:

Medium crescendo and diminuendo, 2, 3, 4 sec.
 Strong crescendo and diminuendo, 2, 3, 4 sec.
 Crescendo-diminuendo, 2, 4, 6 sec.
 Fortepiano, sforzato, sforzatissimo
 All patches without vibrato

41 VC2_cre-me_noVib_2s (3s/4s)	Samples: 66	RAM: 4 MB
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Medium crescendo, without vibrato, 2/3/4 sec.
 2 velocity layers: 0–88 p–mf; 89–127 mf–f
 AB switch: B=open string

44 VC2_dim-me_noVib_2s (3s/4s)	Samples: 66	RAM: 4 MB
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Medium diminuendo, without vibrato, 2/3/4 sec.
 2 velocity layers: 0–88 mf–p; 89–127 f–mf
 AB switch: B=open string

51 VC2_cre-str_noVib_2s (3s/4s)	Samples: 33	RAM: 2 MB
----------------------------------------	--------------------	------------------

Strong crescendo, without vibrato, 2/3/4 sec.
 1 velocity layer
 AB switch: B=open string

54 VC2_dim-str_noVib_2s (3s/4s)	Samples: 33	RAM: 2 MB
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Strong diminuendo, without vibrato, 2/3/4 sec.
 1 velocity layer
 AB switch: B=open string

61 VC2_pfp_noVib_2s (4s/6s)	Samples: 66	RAM: 4 MB
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Crescendo-diminuendo, without vibrato, 2/4/6 sec.
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: B=open string

71 VC2_fp_noVib	Samples: 165	RAM: 10 MB
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Fortepiano, without vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

72 VC2_sfz_noVib	Samples: 165	RAM: 10 MB
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Sforzato, without vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string

73 VC2_sffz_noVib	Samples: 132	RAM: 8 MB
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Sforzatissimo, without vibrato
 1 velocity layer
 Release samples
 AB switch: B=open string



10 PERF INTERVAL

Range: C2–A5

Articulations:

Legato with normal, progressive, and without vibrato
 Portamento with normal, progressive, and without vibrato

01 VC2_perf-legato_Vib	Samples: 1820	RAM: 113 MB
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Legato, with vibrato
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

02 VC2_perf-legato_Vib-prog	Samples: 1636	RAM: 102 MB
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Legato, with progressive vibrato
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

03 VC2_perf-legato_noVib	Samples: 1572	RAM: 98 MB
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Legato, without vibrato
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

11 VC2_perf-porta_Vib**Samples: 1676 RAM: 104 MB**

Portamento, with vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 VC2_perf-porta_Vib-progr**Samples: 1492 RAM: 93 MB**

Portamento, with progressive vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

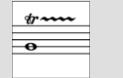
13 VC2_perf-porta_noVib**Samples: 1428 RAM: 89 MB**

Portamento, without vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 PERF TRILL**Range: C2–A5****01 VC2_perf-trill_leg****Samples: 3900 RAM: 243 MB**

Performance trills, minor 2nd to major 3rd. All other intervals legato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 PERF REPETITION**Range: C2–D6****Articulations:**

Repetition performances

Legato with and without vibrato

Portato

Staccato

Normal and crescendo

01 VC2_perf-rep_legato_Vib**Samples: 396 RAM: 24 MB**

Legato, with vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

02 VC2_perf-rep_legato_noVib**Samples: 396 RAM: 24 MB**

Legato, without vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

03 VC2_perf-rep_portato	Samples: 594	RAM: 37 MB
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Portato

2 velocity layers: 0–88 p; 89–127 f

AB switch: B=open string

04 VC2_perf-rep_stac	Samples: 594	RAM: 37 MB
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Staccato

2 velocity layers: 0–88 p; 89–127 f

AB switch: B=open string

11 VC2_perf-rep_legato_Vib_cre	Samples: 165	RAM: 10 MB
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Legato crescendo, with vibrato

5 repetitions

1 velocity layer

AB switch: B=open string

12 VC2_perf-rep_legato_noVib_cre	Samples: 165	RAM: 10 MB
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Legato crescendo, without vibrato

5 repetitions

1 velocity layer

AB switch: B=open string

13 VC2_perf-rep_portato_cre	Samples: 297	RAM: 18 MB
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Portato crescendo

9 repetitions

1 velocity layer

AB switch: B=open string

14 VC2_perf-rep_stac_cre	Samples: 297	RAM: 18 MB
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Staccato crescendo

9 repetitions

1 velocity layer

AB switch: B=open string

13 FAST REPETITION

Range: C2–D6



01 VC2_fast-rep_140 (150/160/170/180/200)	Samples: 132	RAM: 8 MB
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Fast repetitions, 16ths at 140 to 180, and 200 BPM

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - VI

01 VC2_Art-Combi small

Samples: 10414 RAM: 650 MB

Staccato, détaché short, détaché long with vibrato
 Sustained with normal, progressive, and without vibrato
 Fortepiano, sforzato, and sforzatissimo with vibrato
 Interval performances legato with and without vibrato, portamento with vibrato
 Performance trills
 Repetition performances legato with vibrato, portato, staccato
 Tremolo
 Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained vib.	fp vib.	legato vib.	perf. trills	reps. leg vib.	tremolo	pizzicato
V2	détaché short	sus prog.vib.	sfz vib.	legato no vib.	perf. trills	reps. portato	tremolo	pizzicato
V3	détaché long	sus no vib.	sffz vib.	portamento vib.	perf. trills	reps. staccato	tremolo	pizzicato

02 VC2_Art-Combi large

Samples: 12064 RAM: 754 MB

Staccato, détaché short, détaché long with and without vibrato
 Sustained with normal, progressive, and without vibrato, tremolo
 Fortepiano, sforzato, and sforzatissimo with vibrato
 Interval performances legato with normal, progressive, and without vibrato, performance trills
 Portamento with normal, progressive, and without vibrato
 Repetition performances legato with and without vibrato, portato, staccato
 Medium and strong crescendo and diminuendo 2/3/4 sec.
 Crescendo-diminuendo 2/4/6 sec.
 Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1	staccato	sustained vib.	fp vib.	legato vib.	portamento vib.	reps. leg vib.	med. cres vib. 2s	med. dim vib. 2s	str. cres vib. 2s	str. dim vib. 2s	pfp vib. 2s	pizzicato
V2	détaché short	sus prog.vib.	sfz vib.	legato prog.vib.	porta. prog.vib.	reps. leg no vib.	med. cres vib. 3s	med. dim vib. 3s	str. cres vib. 3s	str. dim vib. 3s	pfp vib. 4s	pizzicato
V3	détaché long vib.	sus no vib.	sfz vib.	legato no vib.	porta. no vib.	reps. portato	med. cres vib. 3s	med. dim vib. 3s	str. cres vib. 3s	str. dim vib. 3s	pfp vib. 4s	pizzicato
V4	dét. long no vib.	tremolo	sffz vib.	perf. trills	perf. trills	reps. staccato	med. cres vib. 4s	med. dim vib. 4s	str. cres vib. 4s	str. dim vib. 4s	pfp vib. 6s	pizzicato

03 VC2_Art-Combi Marc-Xfade**Samples: 12064 RAM: 754 MB**

Staccato, détaché short, détaché long with and without vibrato

Staccato attack: sustained with normal, progressive, and without vibrato, tremolo

Fortepiano, sforzato, and sforzatissimo with vibrato

Interval performances legato with normal, progressive, and without vibrato, performance trills

Portamento with normal, progressive, and without vibrato

Repetition performances legato with and without vibrato, portato, staccato

Short détaché (cres)/staccato (dim) attack: medium and strong crescendo and diminuendo with vibrato, 2/3/4 sec.

Short détaché attack: crescendo-diminuendo with vibrato, 2/4/6 sec.

Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–B1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1	staccato	sus vib./stac	fp vib.	legato vib.	portamento vib.	reps. leg vib.	med. cres vib. 2s/dét	med. dim vib. 2s/stac	str. cres vib. 2s/dét	str. dim vib. 2s/stac	pfp vib. 2s/dét	pizzicato
V2	détaché short	sus pr.vib./stac	sfz vib.	legato prog.vib.	porta. prog.vib.	reps. leg no vib.	med. cres vib. 3s/dét	med. dim vib. 3s/stac	str. cres vib. 3s/dét	str. dim vib. 3s/stac	pfp vib. 4s/dét	pizzicato
V3	détaché long vib.	sus no vib./stac	sfz vib.	legato no vib.	porta. no vib.	reps. portato	med. cres vib. 3s/dét	med. dim vib. 3s/stac	str. cres vib. 3s/dét	str. dim vib. 3s/stac	pfp vib. 4s/dét	pizzicato
V4	dét. long no vib.	tremolo/stac	sffz vib.	perf. trills	perf. trills	reps. staccato	med. cres vib. 4s/dét	med. dim vib. 4s/stac	str. cres vib. 4s/dét	str. dim vib. 4s/stac	pfp vib. 6s/dét	pizzicato

04 VC2_Art-Combi Vib-Xfade**Samples: 13120 RAM: 820 MB**

A matrix with vibrato/no vibrato crossfades (where applicable):

Staccato, détaché short, détaché long

Sustained with normal/progressive vibrato, tremolo

Fortepiano, sforzato, sforzatissimo

Interval performances legato normal/progressive/no vibrato, performance trills

Portamento with normal/progressive/no vibrato

Repetition performances legato with and without vibrato, portato, staccato

Medium and strong crescendo and diminuendo 2/3/4 sec.

Crescendo-diminuendo 2/4/6 sec.

Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–B1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1	staccato	sustained vib./Xf	fp vib./Xf	legato vib./Xf	portamento vib./Xf	reps. leg vib./Xf	med. cres vib. 2s/Xf	med. dim vib. 2s/Xf	str. cres vib. 2s/Xf	str. dim vib. 2s/Xf	pfp vib. 2s/Xf	pizzicato
V2	détaché short	sus prog.vib./Xf	sfz vib./Xf	legato prog.vib.	porta. prog.vib.	reps. leg no vib.	med. cres vib. 3s/Xf	med. dim vib. 3s/Xf	str. cres vib. 3s/Xf	str. dim vib. 3s/Xf	pfp vib. 4s/Xf	pizzicato
V3	dét. long vib./Xf	sus prog.vib./Xf	sfz vib./Xf	legato no vib.	porta. no vib.	reps. portato	med. cres vib. 3s/Xf	med. dim vib. 3s/Xf	str. cres vib. 3s/Xf	str. dim vib. 3s/Xf	pfp vib. 4s/Xf	pizzicato
V4	dét. long no vib.	tremolo	sffz vib./Xf	perf. trills	perf. trills	reps. staccato	med. cres vib. 4s/Xf	med. dim vib. 4s/Xf	str. cres vib. 4s/Xf	str. dim vib. 4s/Xf	pfp vib. 6s/Xf	pizzicato

Matrix - VI Pro

Here's a list of the instrument's VI Pro Matrices. The first four contain the same Patches as their Standard VI namesakes but make use of VI Pro's advanced features. The others are special VI Pro Matrices using the software's internal sequencer. You can find a general description of these in the appendix.

01P VC2_Art-Combi small	Samples: 10414	RAM: 650 MB
02P VC2_Art-Combi large	Samples: 12064	RAM: 754 MB
03P VC2_Art-Combi Marc-Xfade	Samples: 12064	RAM: 754 MB
04P VC2_Art-Combi Vib-Xfade	Samples: 13120	RAM: 820 MB
11P VC2 repetitions	Samples: 12064	RAM: 754 MB
21P VC2 runs+phr key	Samples: 8507	RAM: 531 MB
22P VC2 runs+phr whl	Samples: 8507	RAM: 531 MB
23P VC2 runs+phr chr	Samples: 8507	RAM: 531 MB
31P VC2 perf-trills	Samples: 8507	RAM: 531 MB
32P VC2 arpeggios	Samples: 6427	RAM: 401 MB

Presets

Preset - VI

01 VC2 Preset small Samples: 10414 RAM: 650 MB

Matrix: 01 VC2_Art-Combi small

02 VC2 Preset large Samples: 13120 RAM: 820 MB

Matrices:

02 VC2_Art-Combi large
03 VC2_Art-Combi Marc-Xfade
04 VC2_Art-Combi Vib-Xfade
Matrix keyswitches: C6–D6

Preset - VI Pro

01P VC2 Preset small Samples: 10414 RAM: 650 MB

Matrix: 01P VC2_Art-Combi small

02P VC2 Preset large Samples: 13120 RAM: 820 MB

Matrices:

02P VC2_Art-Combi large
03P VC2_Art-Combi Marc-Xfade
04P VC2_Art-Combi Vib-Xfade
Matrix keyswitches: C6–D6

03P VC2 Preset large+Seq Samples: 13120 RAM: 820 MB

A combination of all VI Pro Matrices (except "small")

Matrix keyswitches: C6–G#6

Appendix – Vienna Instruments Pro Matrices and Presets

Introduction

All Vienna Instruments PRO 2 Presets and Matrices have been saved with their cells disabled. This way you can load them quickly to analyze the various loaded Presets and Matrices.

If you activate “Force Enabled ON” in the Settings Menu, these Presets and Matrices will be loaded with enabled cells.



VI Pro Matrices

There are special folders for Vienna Instruments Pro in the Matrix list of all String and Wind Instruments:

“MATRIX – VI PRO”



Matrices from 01–04 are the same as their Standard VI namesakes but make use of VI Pro's advanced features. Matrix 11 and higher contain sequence-based Matrices. These are explained in the following.

“11 repetitions” – Repetitions without restrictions

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The variations available in the Y-Axis are generally sequences assembled from one or 2 different articulations. For Strings, these are spiccato and staccato Performance Repetitions. For Wind Instruments, these are portato and staccato Performance Repetitions.

You can access up to 12 different pre-programmed patterns:

Slot 1	“16th”	16th notes based on one articulation.
Slot 2	“16 2mc”	16th notes based on two different articulations, accents are achieved by using the “longer” articulation.
Slot 3	“16 mc”	16th notes based on two different articulations, accents are achieved by using 2 “longer” articulations.
Slot 4	“up 2”	Sequence of one 8th note and two 16th notes.
Slot 5	“up 1”	Upbeats, sequence of one 8th note and one 16th note.
Slot 6	“16 a3”	Sequence of three 16th notes and one 16th rest.
Slot 7	“triplet”	8th triplets based on one articulation.
Slot 8	“trip mc”	8th triplets based on two different articulations, accents are achieved by using the “longer” articulation.
Slot 9	“trip mc2”	8th triplets based on two different articulations, every quarter beat is accentuated by using the “longer” articulation.
Slot 10	“trip up1”	Triplet Upbeats
Slot 11	“Phrase A”	Example 1 of a combination of different articulations.
Slot 12	“Phrase B”	Example 2 of a combination of different articulations.

“21 runs+phr key” – Diatonic Runs & Phrases

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

Attention: If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the patches used is based on Performance Fast Legatos, and Slurred Fast Legatos for most string ensembles.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of upwards and downwards runs and phrases in different lengths.

Slot 1	“Oct up”	Diatonic run upwards, 1 octave
Slot 2	“Oct do”	Diatonic run downwards, 1 octave
Slot 3	“Oct ac-u”	Diatonic run upwards, 1 octave, with a slight accelerando
Slot 4	“Oct ac-d”	Diatonic run downwards, 1 octave, with a slight accelerando
Slot 5	“2 Oct up”	Diatonic run upwards, 2 octaves
Slot 6	“2 Oct do”	Diatonic run downwards, 2 octaves
Slot 7	“Quint up”	Diatonic run upwards, 1 fifth
Slot 8	“Quint do”	Diatonic run downwards, 1 fifth
Slot 9	“Phr A up”	Progressive phrase upwards (step by step) with a repetition note, 1 octave.
Slot 10	“Phr A do”	Progressive phrase downwards (step by step) with a repetition note, 1 octave.
Slot 11	“Phr B up”	Progressive “mordent phrase” upwards (step by step), 1 octave.
Slot 12	“Phr B do”	Progressive “mordent phrase” downwards (step by step), 1 octave.

“22 runs+phr whl” – Whole-tone Runs & Phrases

Like Matrix “21 runs+phr key”, but based on whole-tone scales.

“23 runs+phr chr” – Chromatic Runs & Phrases

Like Matrix “21 runs+phr key”, but based on chromatic scales.

“31 perf-trills” – Thrilling Trills

Available for all String and Wind Instruments with Performance Trill Patches.

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer’s “Sequence” tab.

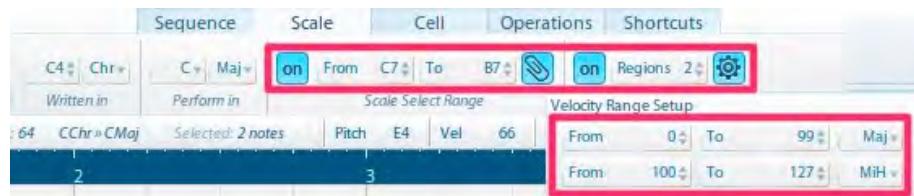
Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major Scale

Velocity 100–127: Minor Harmonic Scale

Attention: If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the Patches used is based on Performance Trill Patches.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of trills in different speeds, accelerating or decelerating, plus a variety of mordents and inverted mordents (“Pralltriller”).

Slot 1	“trill”	Trill, middle tempo.
Slot 2	“trill ac”	Trill, accelerating.
Slot 3	“trill fa”	Trill, fast tempo.
Slot 4	“trill ri”	Trill, decelerating.
Slot 5	“mord up1”	Embellishment, starting with upwards note.
Slot 6	“mord do1”	Embellishment, starting with downwards note.
Slot 7	“mord up2”	Embellishment, starting with two upwards notes.
Slot 8	“mord up2+”	Embellishment, starting with two upwards notes (variation).
Slot 9	“mord do2”	Embellishment, starting with two downwards notes.
Slot 10	“mord do2+”	Embellishment, starting with two downwards notes (variation).
Slot 11	“Prall up”	Inverted mordent (“Pralltriller”) upwards
Slot 12	“Prall do”	Inverted mordent (“Pralltriller”) downwards

“32 arpeggios” – Fantastic Four String Arpeggios

Available for all String Instruments except Double Basses.

APP Sequencer-based Matrix, Host Tempo Sync activated by default.

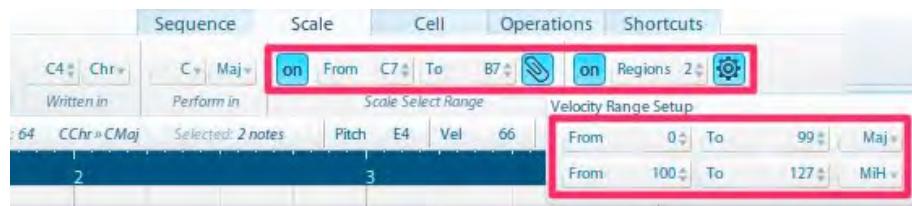
Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

Attention: If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller: Articulations are assigned in the APP Sequencer (Cell Tab)

The major part of the used patches is based on Performance Legato Patches, in combination with Performance Repetitions.

Y-Axis Controller: Keyswitches

Only for Bass to Soprano Instruments (lowest note C2): C1 upwards

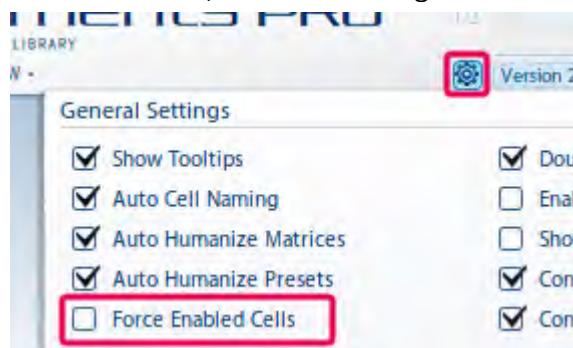
The available variations in the Y-Axis are the most essential arpeggio chords over 4 strings within a scale (except #12).

Slot 1	"ma3 root"	Arpeggio Sequence, as an example in C major: C–G–E–C
Slot 2	"ma3 inv1"	Arpeggio Sequence, as an example in C major: C–A–E–A
Slot 3	"ma3 inv2"	Arpeggio Sequence, as an example in C major: C–A–F–C
Slot 4	"ma7 root"	Arpeggio Sequence, as an example in C major: C–G–E–B
Slot 5	"ma7 inv1"	Arpeggio Sequence, as an example in C major: C–G–E–A
Slot 6	"ma7 inv2"	Arpeggio Sequence, as an example in C major: C–A–F–E
Slot 7	"ma7 inv3"	Arpeggio Sequence, as an example in C major: C–A–F–D
Slot 8	"ma9 1"	Arpeggio Sequence, as an example in C major: C–G–D–B
Slot 9	"ma9 2"	Arpeggio Sequence, as an example in C major: C–G–E–D
Slot 10	"ma9 3"	Arpeggio Sequence, as an example in C major: C–A–E–D
Slot 11	"Qua–Qui"	Arpeggio Sequence, as an example in C major: C–F–C–F
Slot 12	"augm chr"	Arpeggio Sequence, as an example in C major: C–G#–E–C

VI Pro Presets

All Vienna Instruments Pro Single Instrument Presets are contained in the folder “Preset – VI PRO”.

All Cells are saved in “disabled” status (without any loaded samples). If you want your Presets to be loaded with their Cells automatically enabled, just activate “Force Enabled ON/OFF” in the Settings menu.



Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

Matrix switching: Keyswitches

For Alto and Soprano Instruments (lowest note C3): C2 upwards

For Bass and Tenor Instruments (lowest notes below C3): C6 upwards

For Contrabass Instruments (lowest notes below C2): C5 upwards

Internal reverb is activated!

Tuning Table: 12-tone

Assignment of the most important controllers (pre-configured sliders in Basic View)

Master Volume	CC7	Slot X-Fade	CC20
Velocity X-Fade	CC2	Filter	CC24
Velocity X-Fade ON/OFF switch	CC28	Tuning	CC26
Dyn Range scaler	CC30	(scales Humanize Tuning Curves)	
Start Offset scaler	CC21	Algorithmic Reverb Dry/Wet	CC14
Expression	CC11	Algorithmic Reverb ON/OFF switch	CC15



Matrix assignments:

C	02_Art-Combi large	F	22 runs+phr whl
C#	03_Art-Combi Marc-Xfade	F#	23 runs+phr chr
D	04_Art-Combi Vib-Xfade	G	31 perf-trills
D#	11 repetitions	G#	32 arpeggios
E	21 runs+phr key		